



NITFS

Compliance Registration



Product: Geospatial Information Processing Center (GIPC) Baseline 4.3 for the production of Controlled Image Base (CIB)

Sponsor: Harris Corporation

Date: 18 October 2007

Expiration: 17 October 2009

Registration #: 354

Developer: Harris Corporation

- ☐ Initial Registration
☒ Supplemental/Update # 341
☐ Derived from Reg. #

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☒ **Component**
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Other
Interpret							
Generate							

Configurations Tested:

- Dual-core UltraSparc-IV+@1.5GHz (12), 48
10/100/1000BASE-T Ethernet, 48GB pre
processor RAM, 67TB disk array running Sun
Solaris 9 (SPARC)

NITFS Features Implemented:

Format

NITF

☐ v2.1

☒ v2.0

☐ v1.1

NSIF

☐ v1.0

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Annotation Segment Types

☐ Bit Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NODISPLAY

☐ POLAR

Image Compression

☐ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsample

☐ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☒ Vector Quantization

☐ Multispectral JPEG, Individual Band

Data Extension Segments

☐ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☒ Registered Extensions **

Tagged Record

Extensions

- Registered TRE

RPFHDR

RPFIMG

RPFDES

Legend
Interpret
Generate
☒ Fully implemented
☒ Partially implemented
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program